

Title (en)

FASTENER SET CONSISTING OF A PLASTIC DOWEL AND A FASTENING SCREW

Publication

**EP 0171745 B1 19880224 (DE)**

Application

**EP 85109924 A 19850807**

Priority

DE 3429585 A 19840810

Abstract (en)

[origin: EP0171745A1] 1. A fastener set comprising a plastic expansion dowel and a fastening screw, in which the expansion dowel is formed with a longitudinal bore for receiving the screw, said bore in the vicinity of the expansion zone of said dowel merging into a laterally open slot, characterised in that short, laterally open transverse grooves (9) extending transversely to the dowel axis (8) and in parallel to each other are formed on the slot-(5)-defining opposed inner surfaces (11) of the two expansion halves (6 and 7) of the expansion zone, said transverse grooves being mutually staggered in step-fashion according to the pitch (alpha) of the thread of the fastening screw (30) (developped view of Figs. 2 and 5).

IPC 1-7

**F16B 13/06**; **F16B 13/14**

IPC 8 full level

**F16B 5/02** (2006.01); **F16B 13/00** (2006.01); **F16B 13/06** (2006.01); **F16B 13/12** (2006.01); **F16B 13/14** (2006.01); **F16B 33/00** (2006.01)

CPC (source: EP)

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Cited by

EP0400535A3; FR2616490A1; EP1018602A1; EP0952294A3; EP2278174A3; EP2541077A3; EP1205674A3; GB2200966A; GB2200966B; DE102020102294A1; US10378572B2; US6287044B1; WO2015055350A1

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